



9002

9002

DETECTOR, AMPLIFIER, OSCILLATOR

MIDGET TYPE

Heater ■ Coated Unipotential Cathode
 Voltage 6.3 a-c or d-c volts
 Current 0.15 amp.

Direct Interelectrode Capacitances:

Grid to Plate 1.4 μf
 Grid to Cathode 1.2 μf
 Plate to Cathode 1.1 μf

Maximum Overall Length 1-13/16"

Maximum Seated Height 1-9/16"

Length from Base Seat to Bulb Top
 (excluding tip) 1-3/16" \pm 3/32" ←

Maximum Diameter 3/4"

Bulb T-5-1/2

Base ▲ Miniature Button 7-Pin

Pin 1-Plate Pin 5-Plate

Pin 2-Cathode Pin 6-Grid

Pin 3-Heater Pin 7-Cathode

Pin 4-Heater

RCA Socket Stock No. 9914 ←

Mounting Position BOTTOM VIEW Any

Maximum Ratings Are Design-Center Values

AMPLIFIER

Plate Voltage 250 max. volts

Plate Dissipation 1.6 max. watts ←

Typical Operation and Characteristics - Class A₁ Amplifier:

Plate	90	135	180	250	volts
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Grid	-2.5	-3.75	-5	-7	volts
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Amp. Fact.	25	25	25	25	
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Plate Res.	14700	13200	12500	11400	ohms
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Transcond.	1700	1900	2000	2200	μmhos
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Plate Cur.	2.5	3.5	4.5	6.3	ma.
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■ The cathode of the 9002, when operated from a transformer, should preferably be connected to the heater circuit. In the case of d-c operation of the heater from a storage battery, the cathode circuit is tied in either directly or through bias resistors to the negative battery terminal. In circuits where the cathode is not directly connected to the heater, the potential difference between heater and cathode should be kept as low as possible.

▲ The center hole in sockets designed for this base provides for the possibility that this tube type may be manufactured with the exhaust-tube tip at the base end. For this reason, it is recommended that in equipment employing this tube type, no material be permitted to obstruct the socket hole.

*Temporary minimum length = 1-1/16".

← Indicates a change.

OCT. 1, 1943

RCA VICTOR DIVISION
 RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

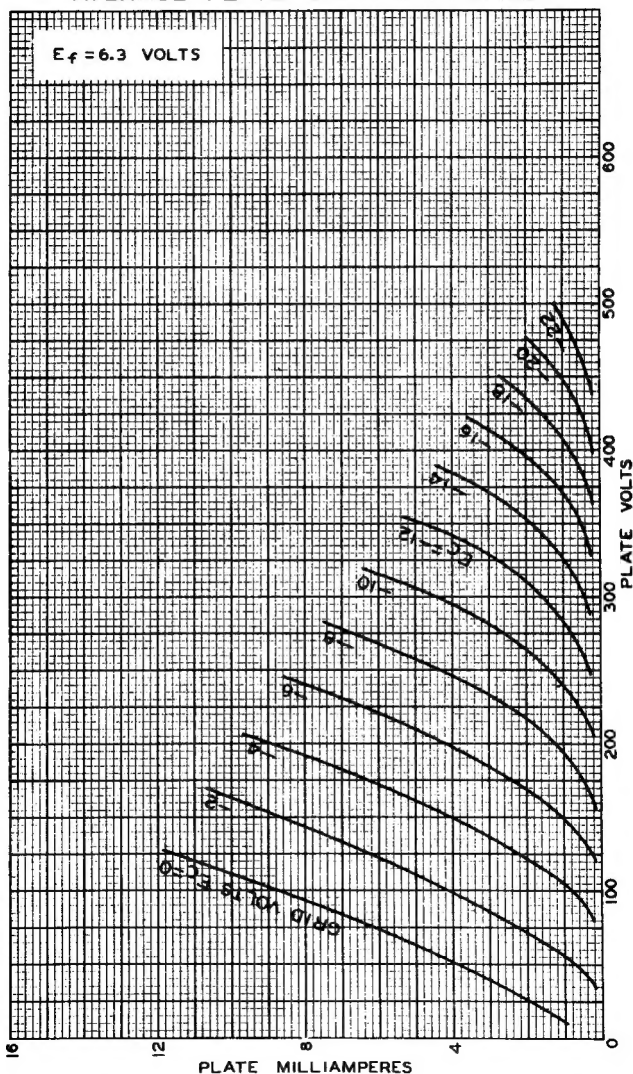
DATA

9002



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AVERAGE PLATE CHARACTERISTICS



SEPT. 17, 1943

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